



# **PHARMACY DATA MANAGEMENT**

## **USER MANUAL**

Version 1.0  
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## Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists “All,” replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

| Date  | Revised Pages   | Patch Number | Description  |
|-------|---|--------------|--|
| 02/10 | iii-iv, 3-4, 44a-d, 47-48, 61-62d, 89-90b, 112, 203-206 | PSS*1*147    | <p>Described new process for requesting changes to Standard Medication Routes and the New Term Rapid Turnaround (NTRT) process;</p> <p>Added <i>IV Additive/Solution Reports</i> menu, with suboptions <i>IV Solution Report</i> option and <i>V Additive Report</i> [PSS IV ADDITIVE REPORT] option</p> <p>Added <i>Default Med Route for OI Report</i> option to the <i>Medication Routes Management...</i> menu.(this change was made but not documented with PSS*1*140)</p> <p>Updated <i>Drug Enter/Edit</i> option to display NUMERIC DOSE and DOSE UNIT fields defined for Local Possible Dosage</p> <p>Updated the Drug Enter/Edit option display to include the new ADDITIVE FREQUENCY field</p> <p>Updated Table of Contents and Index</p> <p>REDACTED</p> |
| 10/09 | i, 64a-b, 65, 65a-b, 66                                 | PSS*1*141    | <p>Added ASSOCIATED IMMUNIZATION field to <i>Edit Orderable Items</i> option and <i>Dispense Drug/Orderable Item Maintenance</i> option. Reorganized content within sections to accommodate new information.</p> <p>REDACTED</p>   |
| 08/09 | iii-iv, 53, 62a-b, 63, 81, 203                          | PSS*1*140    | <p>Added DEFAULT MED ROUTE FOR CPRS field and <i>Default Med Route For OI Report</i> [PSS DEF MED ROUTE OI RPT] option for the enhancement of default medication route being defined for an orderable item.</p> <p>REDACTED</p>  |
| 07/09 | 27-34   | PSS*1*131    | <p>Added explanations of DEA special handling code U for sensitive drug.</p> <p>REDACTED</p>   |
| 05/09 | 81  | PSS*1*137    | <p>Added Automate CPRS Refill field to the <i>Pharmacy System Parameters Edit</i> [PSS MGR] option.</p> <p>REDACTED</p>  |

| Date  | Revised Pages | Patch Number | Description  |
|-------|---------------|--------------|--|
| 02/09 | All           | PSS*1*129    | <p>Pages renumbered to accommodate added pages.</p> <p>Pharmacy Reengineering (PRE) V.0.5 Pre-Release.</p> <p>Restructured <i>Pharmacy Data Management</i> menu:</p> <ul style="list-style-type: none"> <li>- Grouped related options under the following new sub-menus: <i>Drug Text Management</i>, <i>Medication Instruction Management</i>, <i>Medication Routes Management</i>, and <i>Standard Schedule Management</i></li> <li>- Added temporary <i>Enhanced Order Checks Setup Menu</i></li> <li>- Added the following options: <i>Find Unmapped Local Medication Routes</i>, <i>Find Unmapped Local Possible Dosages</i>, <i>Map Local Medication Route to Standard</i>, <i>Map Local Possible Dosages</i>, <i>Mark PreMix Solutions</i>, <i>Request Change to Dose Unit</i>, and <i>Request Change to Standard Medication Route</i></li> <li>- Added the following reports: <i>Administration Schedule File Report</i>, <i>IV Solution Report</i>, <i>Local Possible Dosages Report</i>, <i>Medication Instruction File Report</i>, <i>Medication Route Mapping Report</i>, <i>Medication Route Mapping History Report</i>, and <i>Strength Mismatch Report</i></li> <li>- Updated Table of Contents, Index, and Glossary</li> </ul> <p>REDACTED</p> |
| 09/97 |               |              | Original Release of User Manual  |


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# Chapter One Pharmacy Data Management Options

The PDM options are listed below. Each of these options is explained in detail later in this user manual.

CMOP Mark/Unmark (Single drug)  ←

*Dosages ...*

- Auto Create Dosages*
- Dosage Form File Enter/Edit*
- Enter/Edit Dosages*
- Most Common Dosages Report*
- Noun/Dosage Form Report*
- Review Dosages Report*
- Local Possible Dosages Report*
- Request Change to Dose Unit*

*Drug Enter/Edit*

*Drug Interaction Management ...*

- Enter/Edit Local Drug Interaction*
- Report of Locally Entered Interactions*

*Electrolyte File (IV)*

*Lookup into Dispense Drug File*

*Medication Instruction Management ...*

- Medication Instruction File Add/Edit*
- Medication Instruction File Report*

*Medication Routes Management ...*

- Medication Route File Enter/Edit*
- Medication Route Mapping Report*
- Medication Route Mapping History Report*
- Request Change to Standard Medication Route*
- Default Med Route for OI Report*

*Orderable Item Management ...*

- Edit Orderable Items*
- Dispense Drug/Orderable Item Maintenance*
- Orderable Item/Dosages Report*
- Patient Instructions Report*
- Orderable Item Report*

*Formulary Information Report*

*Drug Text Management ...*

- Drug Text Enter/Edit*
- Drug Text File Report*

*Pharmacy System Parameters Edit*

*Standard Schedule Management ...*

- Standard Schedule Edit*
- Administration Schedule File Report*

*Synonym Enter/Edit*

*Other Language Translation\**

The *CMOP Mark/Unmark (Single drug)* option is displayed before the *Warning Builder* option in the PDM Main Menu. For documentation purposes, it is being left at the beginning of this menu.



*Controlled Substances/PKI Reports*  
    *DEA Spec Hdlg & CS Fed Sch Discrepancy*  
    *Controlled Substances Not Matched to NDF*  
    *CS (DRUGS) Inconsistent with DEA Spec Hdlg*  
    *CS (Ord. Item) Inconsistent with DEA Spec Hdlg*  
*Send Entire Drug File to External Interface*  
*IV Additive/Solution Reports*  
    *IV Additive Report*  
    *IV Solution Report*  
*Enhanced Order Checks Setup Menu ...*  
    *Find Unmapped Local Medication Routes*  
    *Map Local Medication Route to Standard*  
    *Medication Route Mapping Report*  
    *Medication Route File Enter/Edit*  
    *Medication Route Mapping History Report*  
    *Request Change to Standard Medication Route*  
    *Find Unmapped Local Possible Dosages*  
    *Map Local Possible Dosages*  
    *Local Possible Dosages Report*  
    *Strength Mismatch Report*  
    *Enter/Edit Dosages*  
    *Request Change to Dose Unit*  
    *Mark PreMix Solutions*  
    *IV Solution Report*  
    *Administration Schedule File Report*  
    *Medication Instruction File Report*  
*Warning Builder*  
*Warning Mapping*

\*Other Language Translation Setup is a stand-alone option that must be assigned to the person(s) responsible for maintaining it.

NOTE: The *Enhanced Order Checks Setup Menu* added with patch PSS\*1\*129 will be deleted when Pharmacy Reengineering (PRE) Version 0.5 is installed.

Patch PSS\*1\*147 enhances the *Drug Enter/Edit* option to display the Numeric Dose and Dose Unit fields defined for Local Possible Dosages and allows editing of the new Additive Frequency field in the IV ADDITIVES file.

#### Example 1: Drug Enter/Edit Rematching of drug to NDF

```
Select Pharmacy Data Management Option: Drug Enter/Edit

Select DRUG GENERIC NAME: TIMOPTIC
  Lookup: SYNONYM
    1  TIMOPTIC 0.25%  TIMOLOL 0.25% OPTH SOL 10ML          OP101
    2  TIMOPTIC 0.5%   TIMOLOL 0.5% OPTH SOL 10MLOP101
CHOOSE 1-2: 2  TIMOLOL 0.5% OPTH SOL 10ML          OP101

*****
This entry is marked for the following PHARMACY packages:
  Outpatient
  Unit Dose
  Non-VA Med
GENERIC NAME: TIMOLOL 0.5% OPTH SOL 10ML Replace <ENTER>
VA CLASSIFICATION: OP101// <ENTER>
DEA, SPECIAL HDLG: 6P// <ENTER>
DAW CODE: <ENTER>
.
.
.
PRICE PER DISPENSE UNIT: 6.060

    points to TIMOLOL MALEATE 0.5% SOLN,OPH in the National Drug file.

This drug has already been matched and classified with the National Drug
file. In addition, if the dosage form changes as a result of rematching,
you will have to match/rematch to Orderable Item.

Do you wish to match/rematch to NATIONAL DRUG file? No// Y <ENTER> (Yes)

Deleting Possible Dosages...

LOCAL POSSIBLE DOSAGES:

1 DROP      (Package -> O)
2 DROP(S)   (Package -> O)

Delete these Local Possible Dosages? Y// NO

Local Possible Dosages not deleted.

Match local drug TIMOLOL 0.5% OPTH SOL 10ML
                                ORDER UNIT: BT
                                DISPENSE UNITS/ORDER UNITS: 1
                                DISPENSE UNIT:
I will try to match NDC: 6-3367-10 to NDF.

Local drug TIMOLOL 0.5% OPTH SOL 10ML
matches    TIMOLOL MALEATE 0.5% SOLN,OPH
PACKAGE SIZE: 10 ML
PACKAGE TYPE: BOTTLE
            Is this a match ?
Enter Yes or No: YES// <ENTER>
```

```

LOCAL DRUG NAME: TIMOLOL 0.5% OPTH SOL 10ML
                                ORDER UNIT: BT
                                DISPENSE UNITS/ORDER UNITS: 1
                                DISPENSE UNIT:

VA PRODUCT NAME: TIMOLOL MALEATE 0.5% SOLN,OPH
VA PRINT NAME: TIMOLOL MALEATE 0.5% OPH SOLN
VA DISPENSE UNIT: ML
    PACKAGE SIZE: 10 ML
    PACKAGE TYPE: BOTTLE
VA CLASS: OP101 BETA-BLOCKERS,TOPICAL OPHTHALMIC
CS FEDERAL SCHEDULE:
INGREDIENTS:
    TIMOLOL MALEATE 0.5 %
NATIONAL FORMULARY INDICATOR: YES
NATIONAL FORMULARY RESTRICTION:

```

```

CMOP ID: T0056
MARKABLE FOR CMOP: YES

```

< Enter "Y" for yes, "N" for no >

Is this a match ? Y

You have just VERIFIED this match and MERGED the entry.

Resetting Possible Dosages..

Press Return to continue: <ENTER>

This drug has the following Local Possible Dosages:

```

1 DROP                                PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:
2 DROP(S)                            PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

```

Do you want to merge new Local Possible Dosages? Y// NO  
Just a reminder...you are editing TIMOLOL 0.5% OPTH SOL 10ML.

```

LOCAL POSSIBLE DOSAGES:
1 DROP                                PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:
2 DROP(S)                            PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

```

Do you want to edit Local Possible Dosages? N// **YES**

This drug has the following Local Possible Dosages:

```

1 DROP                                PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:
2 DROP(S)                            PACKAGE: IO
    BCMA UNITS PER DOSE:
    NUMERIC DOSE:      DOSE UNIT:

```

Do you want to merge new Local Possible Dosages? Y// **NO**

.  
.

## Example 2: Editing Additive Frequency for IV Additive

```
Select Pharmacy Data Management Option: Drug Enter/Edit

Select DRUG GENERIC NAME:      CIMETIDINE 150MG/ML MDV INJ (8ML)      GA301

      ...OK? Yes// <ENTER>  (Yes)
*****
This entry is marked for the following PHARMACY packages:
  IV
  Ward Stock
  GENERIC NAME: CIMETIDINE 150MG/ML MDV INJ (8ML) Replace <ENTER>
  VA CLASSIFICATION: GA301// <ENTER>
  DEA, SPECIAL HDLG: <ENTER>
  DAW CODE: <ENTER>
  .
  .
  .
*****
This entry is marked for the following PHARMACY packages:
  IV
  Ward Stock

MARK THIS DRUG AND EDIT IT FOR:
O - Outpatient
U - Unit Dose
I - IV
W - Ward Stock
D - Drug Accountability
C - Controlled Substances
X - Non-VA Med
A - ALL

Enter your choice(s) separated by commas : I
                                           I - IV

** You are NOW editing IV fields. **

AN IV ITEM? Yes// <ENTER>  (Yes)
Edit Additives or Solutions:

      Select one of the following:

          A      ADDITIVES
          S      SOLUTIONS

Enter response: ADDITIVES
Select IV SOLUTIONS PRINT NAME:      CIMETIDINE

PRINT NAME: CIMETIDINE// <ENTER>
GENERIC DRUG: CIMETIDINE 150MG/ML MDV INJ (8ML)// <ENTER>
USED IN IV FLUID ORDER ENTRY: YES// <ENTER>
DRUG UNIT: MG// <ENTER>
NUMBER OF DAYS FOR IV ORDER: <ENTER>
USUAL IV SCHEDULE: <ENTER>
ADMINISTRATION TIMES: <ENTER>
Select QUICK CODE: <ENTER>
AVERAGE DRUG COST PER UNIT: <ENTER>
Select ELECTROLYTE: <ENTER>
Select SYNONYM: <ENTER>
DRUG INFORMATION: <ENTER>
  1>
INACTIVATION DATE: <ENTER>
CONCENTRATION: <ENTER>
MESSAGE: <ENTER>
ADDITIVE FREQUENCY: ALL BAGS// <ENTER>
Edit Additives or Solutions: <ENTER>

      Select one of the following:
```

A        ADDITIVES  
S        SOLUTIONS

Enter response:

## 1.5 Electrolyte File (IV)

### [PSSJI ELECTROLYTE FILE]

The *Electrolyte File (IV)* option allows the contents of the DRUG ELECTROLYTES file (#50.4) to be altered. This file contains the names of anions/cations and their concentration units. The file provides the ability for sites to enter intravenous (IV) orders for electrolytes as individual ingredients so that the IV label will print the total of individual electrolytes rather than the additive names. The ELECTROLYTES sub-file in the IV ADDITIVES file (#52.6) and IV SOLUTIONS file (#52.7) point to this Electrolyte file.

#### Example 1: Electrolyte File (Adding)

```
Select Pharmacy Data Management Option: Electrolyte File (IV)

Select DRUG ELECTROLYTES NAME: CHLORIDE      MEQ/ML
ARE YOU ADDING 'CHLORIDE' AS A NEW DRUG ELECTROLYTES (THE 9TH)? Y (YES)

DRUG ELECTROLYTES CONCENTRATION UNITS: MEQ/ML
NAME: CHLORIDE// <Enter>
CONCENTRATION UNITS: <Enter>
Select DRUG ELECTROLYTES NAME: <Enter>
```

#### Example 2: Electrolyte File (Deleting)

```
Select Pharmacy Data Management Option: Electrolyte File (IV)

Select DRUG ELECTROLYTES NAME: CHLORIDE
NAME: CHLORIDE// @
SURE YOU WANT TO DELETE THE ENTIRE 'CHLORIDE' DRUG ELECTROLYTES? Y (YES)
```

## 1.6 Lookup into Dispense Drug File

### [PSS LOOK]

The *Lookup into Dispense Drug File* option provides a lookup into the DRUG file (#50) and displays fields that are commonly edited. It is not possible to edit entries in the DRUG file (#50) from this option. Edits can be made through the use of the *Drug Enter/Edit* option. Patch PSS\*1\*61 ensures that the newly populated CS FEDERAL SCHEDULE field of the VA PRODUCT file (#50.68) is also included as part of the drug details in the *Lookup into Dispense Drug File* option. Patch PSS\*1\*147 adds the Numeric Dose and Dose Unit fields defined for Local Possible Dosages to the display.

#### Example 1: Lookup Drug

```
Select DRUG GENERIC NAME: TIMOLOL
  1  TIMOLOL MALEATE 0.25% OPH GEL      OP101      N/F      NATL N/F; 2.5 ML/TUBE
  2  TIMOLOL MALEATE 0.25% OPH SOLN     OP101      NATL REVIEW; 5 ML/BT (IEN)
  3  TIMOLOL MALEATE 0.5% OPH GEL      OP101      N/F      NATL N/F; 2.5 ML/TUBE (IEN)
  4  TIMOLOL MALEATE 0.5% OPH SOLN     OP101      NATL REVIEW; 5 ML/BT (IEN)
CHOOSE 1-4: 4 TIMOLOL MALEATE 0.5% OPH SOLN      OP101      NATL REVIEW;
5 ML/BT (IEN)
```

### Example 1: Lookup Drug continued

```
=====
TIMOLOL MALEATE 0.5% OPH SOLN
=====
VA PRINT NAME:    TIMOLOL MALEATE 0.5% OPH SOLN          CMOP ID#: T0056
VA PRODUCT NAME:  TIMOLOL MALEATE 0.5% SOLN,OPH          CMOP DISPENSE: NO
ORDERABLE ITEM:   TIMOLOL SOLN,OPH                      NDF DF: SOLN,OPH
ORDERABLE ITEM TEXT:

SYNONYM(S):      TIMOPTIC 0.5%                          Trade Name
                  T/5                                    Quick Code
                  T.5                                    Quick Code
                  024208032405                          Drug Accountability
                  1677                                    Quick Code

MESSAGE: NATL REVIEW; 5 ML/BT (IEN)
=====
DEA, SPECIAL HDLG: 6P                                NDC:          61314-227-05
DAW CODE: 5 - SUBSTITUTION ALLOWED-BRAND DRUG DISPENSED AS A GENERIC
CS FEDERAL SCHEDULE:
INACTIVE DATE:
QUANTITY DISPENSE MESSAGE: ML (5/BT)
WARNING LABEL SOURCE is set to 'NEW'
NEW WARNING LABEL:
22N For the eye.

Pharmacy fill card display: DRUG WARNING 22N
=====
ORDER UNIT:      BT          PRICE/ORDER UNIT:          1.45
DISPENSE UNIT:   ML          VA DISPENSE UNIT:          ML
DISPENSE UNITS/ORDER UNIT: 5      PRICE/DISPENSE UNIT:    0.2900
APPL PKG USE: Outpatient Unit Dose
STRENGTH:              UNIT:
POSSIBLE DOSAGES:
LOCAL POSSIBLE DOSAGES:
  LOCAL POSSIBLE DOSAGE: 1 DROP          PACKAGE: IO
  BCMA UNITS PER DOSE: 1
  NUMERIC DOSE: 1          DOSE UNIT: DROP(S)
  LOCAL POSSIBLE DOSAGE: 2 DROPS        PACKAGE: IO
  BCMA UNITS PER DOSE: 1
  NUMERIC DOSE: 2          DOSE UNIT: DROP(S)
=====
VA CLASS: OP101 BETA-BLOCKERS,TOPICAL OPHTHALMIC
LOCAL NON-FORMULARY:          VISN NON-FORMULARY:
National Formulary Indicator: YES
National Restriction:
Local Drug Text:
```

### Example 2: Lookup into Dispense Drug File

```
Select Pharmacy Data Management Option: LOOKUP INTO Dispense Drug File
Select DRUG GENERIC NAME: LOVASTATIN 20MG TAB CV350 N/F

RESTRICTED TO CARDIOLOGY SERVICE
LOVASTATIN 20MG TAB
=====
VA PRINT NAME: LOVASTATIN 20MG TAB CMOP ID#: L0060
VA PRODUCT NAME: LOVASTATIN 20MG TAB CMOP DISPENSE: YES
ORDERABLE ITEM: LOVASTATIN TAB (N/F) NDF DF: TAB
ORDERABLE ITEM TEXT:
Refer to PBM/MAP Hyperlipidemia treatment guidelines for use.
SYNONYM (S): MEVACOR Trade Name
MESSAGE: THIS IS RESTRICTED TO CARDIOLOGY SERVICE
=====
DEA, SPECIAL HDLG: 6 NDC: 000006-0731-82
CS FEDERAL SCHEDULE:
INACTIVE DATE:
QUANTITY DISPENSE MESSAGE: DISPENSE IN 30'S
WARNING LABEL: WITH FOOD
=====
ORDER UNIT: BT PRICE/ORDER UNIT: 50
DISPENSE UNIT: TAB VA DISPENSE UNIT: TAB
```

## 1.8.4 Request Change to Standard Medication Route [PSS MEDICATION ROUTE REQUEST]

The *Request Change to Standard Medication Route* option was provided for users to request additions or changes to the STANDARD MEDICATION ROUTES file (#51.23). PSS\*1\*147 changes this option to now refer the requestor to a web site to make the request.

A list of all Standard Medication Routes and corresponding FDB Route mapping initially released with the PRE V.0.5 Pre-Release patch can be found in Appendix A of the *Pharmacy Reengineering (PRE) Version 0.5 Pre-Release Implementation Guide*. Since then, there have been additions pushed out by the New Term Rapid Turnaround (NTRT) process. For a complete listing use FileMan to print the NAME field (#.01) and FIRST DATABANK MED ROUTE field (#1) from the STANDARD MEDICATION ROUTES file (#51.23)

### Example 1: Request Change to Standard Medication Route

```
Select Enhanced Order Checks Setup Menu Option: Request Change To Standard
Medication Route

Standard Medication Route requests must now be made at the following website:

REDACTED

Press Return to continue:
```

## Standard Medication Routes File Update Notifications

Updates to the Standard Medication Route File are made by the New Term Rapid Turnaround (NTRT) process. Patch PSS\*1\*147 provides MailMan notifications to the mail group PSS ORDER CHECKS when changes occur. The following changes will generate a notification:

- Inactivation of a standard medication route
- Reactivation of a standard medication route
- Addition of a new standard medication route
- Change (add/delete/modify) to a FDB medication route mapping
- Change (add/delete/modify) to a replacement route for a standard medication route

Changes to a standard medication route that can result in an unmapping of a local medication route are:

- Inactivation of a standard medication route
- Change (add/delete/modify) to an FDB Medication Route Mapping

If a local medication route that is marked for 'All Packages' is unmapped, the software will attempt to do an automatic remapping to an active standard medication route. If the unmapping occurred due to an inactivation of the standard medication route and a replacement route is provided, the local medication route will be remapped to the new standard replacement route. If no replacement route was provided in the update, a defined set of business rules will be used to attempt an automatic remapping to another standard medication route.



The MailMan message will include the reason for notification, what was updated and will also include any automatic mapping activities that occurred from the local Medication Routes file to the Standard Medication Routes file.

#### Example 1: Addition of New Standard Medication Route

```
Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*
-----
The following entries have been added to the Standard Medication Routes
(#51.23) File:

    ENTERAL
    FDB Route: ORAL

The following entries have been inactivated in the Standard Medication
Routes (#51.23) File:

    (None)

The following entries have been reactivated in the Standard Medication
Routes (#51.23) File:

    (None)

The following entries in the Medication Routes (#51.2) File have been
mapped/remapped to a Standard Medication Route (#51.23) File entry.

    G-TUBE
    Previous Standard Route: ORAL
    New Standard Route: ENTERAL

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been
unmapped from a Standard Medication Route (#51.23) File entry.

    (None)

The following entries in the Standard Medication Routes (#51.23) File have had
changes to the associated First DataBank Med Route and/or Replacement Term.

    (None)

The following entries in the Medication Routes (#51.2) File were to be
mapped/remapped to a Standard Medication Route (#51.23) File entry, but
could not occur because the Medication Route (#51.2) File entry was locked.

    J-TUBE
    Current Standard Route: ORAL
    Recommend mapping to Standard Route: ENTERAL

The following entries in the Medication Routes (#51.2) File were to be
unmapped from a Standard Medication Route (#51.23) File entry, but
could not occur because the Medication Route (#51.2) File entry was locked.

    (None)

Enter message action (in IN basket): Ignore //
```

## Example 2: Inactivation of Standard Medication Routes; one with a Replacement Route and the other without

```
Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*
-----
The following entries have been added to the Standard Medication Routes
(#51.23) File:

    INTRA-URETHRAL
    FDB Route: INTRA-URETHRAL

The following entries have been inactivated in the Standard Medication
Routes (#51.23) File:

    URETHRAL
    FDB Route: INTRA-URETHRAL
    Replacement Term: INTRA-URETHRAL
    Replacement Term FDB Route: INTRA-URETHRAL
    INTRAVITREAL
    FDB Route: INTRAVITREAL
    Replacement Term: (None)
    Replacement Term FDB Route: (None)

The following entries have been reactivated in the Standard Medication
Routes (#51.23) File:

    (None)

The following entries in the Medication Routes (#51.2) File have been
mapped/remapped to a Standard Medication Route (#51.23) File entry.

    URETHRAL
    Previous Standard Route: URETHRAL
    New Standard Route: INTRA-URETHRAL

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been
unmapped from a Standard Medication Route (#51.23) File entry.

    INTRAVITREAL
    Previous Standard Route: INTRAVITREAL
    New Standard Route: (None)

The following entries in the Standard Medication Routes (#51.23) File have had
changes to the associated First DataBank Med Route and/or Replacement Term.

    (None)

The following entries in the Medication Routes (#51.2) File were to be
mapped/remapped to a Standard Medication Route (#51.23) File entry, but
could not occur because the Medication Route (#51.2) File entry was locked.

    (None)

The following entries in the Medication Routes (#51.2) File were to be
unmapped from a Standard Medication Route (#51.23) File entry, but
could not occur because the Medication Route (#51.2) File entry was locked.

    (None)
```

### Example 3: Remapping and Unmapping could not occur due to locked file

Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines  
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 \*New\*

-----  
The following entries have been added to the Standard Medication Routes  
(#51.23) File:

INTRA-URETHRAL  
FDB Route: INTRA-URETHRAL

The following entries have been inactivated in the Standard Medication  
Routes (#51.23) File:

URETHRAL  
FDB Route: INTRA-URETHRAL  
Replacement Term: INTRA-URETHRAL  
Replacement Term FDB Route: INTRA-URETHRAL  
INTRAVITREAL  
FDB Route: INTRAVITREAL  
Replacement Term: (None)  
Replacement Term FDB Route: (None)

The following entries have been reactivated in the Standard Medication  
Routes (#51.23) File:

(None)

The following entries in the Medication Routes (#51.2) File have been  
mapped/remapped to a Standard Medication Route (#51.23) File entry.

(None)

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been  
unmapped from a Standard Medication Route (#51.23) File entry.

(None)

The following entries in the Standard Medication Routes (#51.23) File have had  
changes to the associated First DataBank Med Route and/or Replacement Term.

(None)

The following entries in the Medication Routes (#51.2) File were to be  
mapped/remapped to a Standard Medication Route (#51.23) File entry, but  
could not occur because the Medication Route (#51.2) File entry was locked.

URETHRAL  
Current Standard Route: URETHRAL  
Recommend mapping to Standard Route: INTRA-URETHRAL

The following entries in the Medication Routes (#51.2) File were to be  
unmapped from a Standard Medication Route (#51.23) File entry, but  
could not occur because the Medication Route (#51.2) File entry was locked.

INTRAVITREAL  
Current Standard Route: INTRAVITREAL  
New Standard Route: <delete mapping>

Enter message action (in IN basket): Ignore //

#### Example 4: Reactivated Standard Medication Route

```
Subj: Standard Medication Route File Update [#136380] 08/21/09@09:58 64 lines
From: STANDARD MEDICATION ROUTE FILE PROCESSOR In 'IN' basket. Page 1 *New*
-----
The following entries have been added to the Standard Medication Routes
(#51.23) File:

    (None)

The following entries have been inactivated in the Standard Medication
Routes (#51.23) File:

    (None)

The following entries have been reactivated in the Standard Medication
Routes (#51.23) File:

    INTRADUCTAL
      FDB Route: INTRADUCTAL

The following entries in the Medication Routes (#51.2) File have been
mapped/remapped to a Standard Medication Route (#51.23) File entry.

    (None)

PLEASE REVIEW, MAY REQUIRE YOUR ATTENTION!

The following entries in the Medication Routes (#51.2) File have been
unmapped from a Standard Medication Route (#51.23) File entry.

    (None)

The following entries in the Standard Medication Routes (#51.23) File have had
changes to the associated First DataBank Med Route and/or Replacement Term.

    INTRADUCTAL
      Replacement Term: <deleted>

The following entries in the Medication Routes (#51.2) File were to be
mapped/remapped to a Standard Medication Route (#51.23) File entry, but
could not occur because the Medication Route (#51.2) File entry was locked.

    (None)

The following entries in the Medication Routes (#51.2) File were to be
unmapped from a Standard Medication Route (#51.23) File entry, but
could not occur because the Medication Route (#51.2) File entry was locked.

    (None)

Enter message action (in IN basket): Ignore //
```

## 1.8.5 Default Med Route for OI Report [PSS DEF MED ROUTE OI RPT]

The *Default Med Route for OI Report* option is listed on the *Medication Routes Management* [PSS MEDICATION ROUTES MGMT] menu. This report can be used to help identify the current default medication routes for the orderable items. The following is an example of the report.

| DEFAULT MED ROUTE FOR ORDERABLE ITEM REPORT |             |                   | JUN 17, 2009  | PAGE 1           |
|---|-------------|-------------------|---------------|------------------|
| OI NAME                                     | DOSAGE FORM | ASSOCIATED ROUTES | DEFAULT ROUTE | DRUG             |
| IBERET                                      | LIQUID      | ORAL (BY MOUTH)   |               | IBERET-500 ORAL  |
| IBUPROFEN                                   | TAB         | ORAL (BY MOUTH)   |               | IBUPROFEN 600MG  |
| IDOXURIDINE                                 | OINT,OPH    | RIGHT EYE         |               |                  |
|   |             | LEFT EYE          |               |                  |
|   |             | BOTH EYES         |               | IDOXURIDINE 0.5% |
| IMIPRAMINE                                  | TAB         | ORAL (BY MOUTH)   |               | IMIPRAMINE 25MG  |
|   |             |                   |               | IMIPRAMINE 50MG  |
| INDOCYANINE                                 | INJ,SOLN    | INTRAMUSCULAR     |               |                  |
|   |             | INTRAVENOUS       | INTRAVENOUS   | INDOCYANINE 25MG |
| INSULIN                                     | INJ         | INTRAMUSCULAR     |               |                  |
|   |             | INTRAVENOUS       |               |                  |
|   |             | ORAL              |               |                  |
|   |             | SUBCUTANEOUS      | INTRAVENOUS   | INSULIN LENTE    |
|   |             |                   |               | INSULIN NPH      |

## 1.17 Send Entire Drug File to External Interface

### [PSS MASTER FILE ALL]

This option sends updated information for every entry in the DRUG file (#50) to the external interface for Outpatient Pharmacy dispensing systems, using HL7 standard V. 2.4 messages. All entries are sent, regardless of how they are marked for Application Package Use.

To use this option, the following items must be set up properly in the OUTPATIENT SITE file (#59):

- In the AUTOMATED DISPENSE field (#105), the value should be set to **V. 2.4**. This enables sending data through the Interface Engine using HL7 V. 2.4 standard.
- In the ENABLE MASTER FILE UPDATE field (#105.2), the value should be set to **YES**.
- In the DISPENSE DNS NAME field (#2006), there should be some value defined. This value sends the DNS name of the dispensing system (for example, **dispensemachine1.vha.med.va.gov**) to the Interface Engine, so that the Interface Engine knows where to route the HL7 messages.

#### Example: Send Entire Drug File to External Interface

```
Select Pharmacy Data Management Option: PSS MASTER FILE ALL      Send Entire Drug File to
External Interface
Send Entire Drug File to External Interface
Press RETURN to continue...
```

The *Enhanced Order Checks Setup Menu* options are located here on the main menu. Because this menu will be removed when PRE V.0.5 is released, the descriptions have been moved to the end of this chapter (1.23).

## 1.18 IV Additive/Solution Reports

### [PSS ADDITIVE/SOLUTION REPORTS]

The *IV Additive/Solution Reports* option was created by Patch PSS\*1\*147 to provide an umbrella for all the options related to reviewing IV Additive and IV Solution data.

### 1.18.1 IV Additive Report

#### [PSS IV ADDITIVE REPORT]

Patch PSS\*1\*147 creates a new *IV Additive Report* option to display IV Additive information. A user can select to display only entries marked with '1 BAG/DAY' in the Additive Frequency field, or only those entries with nothing entered in the Additive Frequency field, or all entries can be displayed. The report will print the following data elements:

- Print Name
- Generic Drug
- Drug Unit
- Synonyms
- Pharmacy Orderable Item
- Inactivation Date
- Used in IV Fluid Order Entry
- Additive Frequency

If the user chooses to print only the IV Additives marked with '1 BAG/DAY' in the Additive Frequency field or those entries with nothing entered in the Additive Frequency field and none are found, the report will display 'No IV Additives marked as '1 BAG/DAY' or 'No IV Additives marked as null' respectively.

#### Example 1: User selects only IV Additives marked with no value in the Additive Frequency Field

```
Select IV Additive/Solution Reports Option: IV Additive Report

This report displays entries in the IV ADDITIVES (#52.6) File. You can select
to display only entries marked with '1 BAG/DAY' in the ADDITIVE FREQUENCY (#18)
Field, or only those entries with nothing entered in the ADDITIVE FREQUENCY
(#18) Field, or all entries can be displayed.

    Select one of the following:

        1          Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY
        N          Print entries marked as Null for ADDITIVE FREQUENCY
        A          Print all IV Additives

Print which IV Additives: A// N Print entries marked as Null for ADDITIVE
FREQUENCY

    This report is designed for 80 column format!

DEVICE: HOME//  <ENTER>

:
:
```

IV Additives marked as null for ADDITIVE FREQUENCY Page: 1

---

Print Name: CALCIUM GLUCONATE  
Drug Unit: MEQ  
Synonyms: CAGLUC  
Generic Drug: CALCIUM GLUCONATE 1GM  
Pharmacy Orderable Item: CALCIUM GLUCONATE INJ,SOLN  
Inactivation Date:  
Used in IV Fluid Order Entry: YES  
Additive Frequency:

Print Name: POTASSIUM CHLORIDE  
Drug Unit: MEQ  
Synonyms: KCL  
Generic Drug: POTASSIUM CL 2MEQ/ML (10ML) INJ  
Pharmacy Orderable Item: POTASSIUM CHLORIDE INJ,SOLN  
Inactivation Date:  
Used in IV Fluid Order Entry: YES  
Additive Frequency:

End of Report.

### Example 2: User Selects Only IV Additives marked with '1BAG/DAY' in the Additive Frequency Field

Select IV Additive/Solution Reports Option: **IV Additive Report**

This report displays entries in the IV ADDITIVES (#52.6) File. You can select to display only entries marked with '1 BAG/DAY' in the ADDITIVE FREQUENCY (#18) Field, or only those entries with nothing entered in the ADDITIVE FREQUENCY (#18) Field, or all entries can be displayed.

Select one of the following:

|   |  |
|---|--|
| 1 | Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY |
| N | Print entries marked as Null for ADDITIVE FREQUENCY        |
| A | Print all IV Additives                                     |

Print which IV Additives: A// 1 Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY

This report is designed for 80 column format!

DEVICE: HOME// **<ENTER>**

IV Additives marked as '1 BAG/DAY' for ADDITIVE FREQUENCY Page: 1

---

No IV Additives marked as '1 BAG/DAY'.

End of Report.

### Example 3: User selects all IV Additives

Select IV Additive/Solution Reports Option: **IV Additive Report**

This report displays entries in the IV ADDITIVES (#52.6) File. You can select to display only entries marked with '1 BAG/DAY' in the ADDITIVE FREQUENCY (#18) Field, or only those entries with nothing entered in the ADDITIVE FREQUENCY (#18) Field, or all entries can be displayed.



Select one of the following:

1            Print entries marked as '1 BAG/DAY' for ADDITIVE FREQUENCY  
N            Print entries marked as Null for ADDITIVE FREQUENCY  
A            Print all IV Additives

Print which IV Additives: A// <ENTER>    Print all IV Additives

    This report is designed for 80 column format!

DEVICE: HOME//    <ENTER>

All IV Additives

Page: 1

-----  
                  Print Name: AMINOPHYLLINE  
                  Drug Unit: MG  
                  Synonyms:  
                  Generic Drug: AMINOPHYLLINE 25MG/ML 20ML INJ  
Pharmacy Orderable Item: AMINOPHYLLINE    INJ,SOLN  
                  Inactivation Date:  
Used in IV Fluid Order Entry: YES  
                  Additive Frequency: ALL BAGS

                  Print Name: CALCIUM GLUCONATE  
                  Drug Unit: MEQ  
                  Synonyms: CAGLUC  
                  Generic Drug: CALCIUM GLUCONATE 1GM  
Pharmacy Orderable Item: CALCIUM GLUCONATE    INJ,SOLN  
                  Inactivation Date:  
Used in IV Fluid Order Entry: YES  
                  Additive Frequency:

                  Print Name: HEPARIN  
                  Drug Unit: UNITS  
                  Synonyms:  
                  Generic Drug: HEPARIN 10,000 UNITS 4ML  
Pharmacy Orderable Item: HEPARIN    INJ,SOLN  
                  Inactivation Date:  
Used in IV Fluid Order Entry: YES  
                  Additive Frequency: ALL BAGS

                  Print Name: TRACE ELEMENTS  
                  Drug Unit: ML  
                  Synonyms:  
                  Generic Drug: TRACE ELEMENTS 5ML INJ  
Pharmacy Orderable Item: TRACE ELEMENTS    INJ,CONC-SOLN  
                  Inactivation Date:  
Used in IV Fluid Order Entry: YES  
                  Additive Frequency: 1 BAG/DAY

End of Report.

## 1.18.2 IV Solution Report

### [PSS IV SOLUTION REPORT]

The *IV Solution Report* option displays only IV solutions marked as PreMixes or all IV solutions.

The report will print the following data elements:

- Print Name
- Print Name {2}
- Volume
- Synonyms
- Generic Drug
- Pharmacy Orderable Item
- Inactivation Date
- Used in IV Fluid Order Entry
- PreMix

If the user chooses to print only the IV solutions marked as PreMixes and none are found the report will display 'No IV Solutions marked as PreMixes found.'

#### Example 1: User selects only solutions marked as PreMix

```
Select Enhanced Order Checks Setup Menu Option: IV SOLUTION Report

This report displays only those solutions in the IV Solutions (#52.7) File
that are marked as PreMix IV Solutions, or it displays all Solutions.

    Select one of the following:

        P          Print only IV Solutions marked as PreMix
        A          Print All IV Solutions

Print report for PreMix (P), or All IV Solutions (A): (P/A): Premix: P// <ENTER>
rint only IV Solutions marked as PreMix

    This report is designed for 80 column format!

DEVICE: HOME//    <ENTER>

Solution PreMix report for IV Solutions marked as PreMix                      Page: 1
-----
        Print Name: DOPAMINE 400MG IN DEXTROSE 5%   Volume: 500 ML
        Print Name {2}:
        Synonyms: INTROPIN
                   DOPAMINE D5
        Generic Drug: DOPAMINE 400MG IN 5% DEXTROSE 500ML
        Pharmacy Orderable Item: DOPAMINE IN DEXTROSE 5% INJ,SOL
        Inactivation Date:
        Used in IV Fluid Order Entry: YES
                   Premix: YES
End of Report
```

#### Example 2: User Selects all IV Solutions

```
Select Enhanced Order Checks Setup Menu Option: IV Solution Report

This report displays only those solutions in the IV Solutions (#52.7) File
that are marked as PreMix IV Solutions, or it displays all Solutions.

    Select one of the following:
```

P            Print only IV Solutions marked as PreMix  
A            Print All IV Solutions

Print report for PreMix (P), or All IV Solutions (A): (P/A): Premix: P// **a**   Print  
All IV Solutions

    This report is designed for 80 column format!

DEVICE: HOME//    <ENTER>

Solution PreMix report for all IV Solutions

Page: 1

```
-----
      Print Name: 0.9% SODIUM CHLORIDE      Volume: 100 ML
      Print Name {2}:
      Synonyms: 2673
      Generic Drug: SODIUM CHLORIDE 0.9% 100ML
      Pharmacy Orderable Item: SODIUM CHLORIDE    INJ
      Inactivation Date:
      Used in IV Fluid Order Entry: YES
      PreMix:

      Print Name: 0.9% SODIUM CHLORIDE      Volume: 50 ML
      Print Name {2}:
      Synonyms: 2672
      Generic Drug: SODIUM CHLORIDE 0.9% 50ML
      Pharmacy Orderable Item: SODIUM CHLORIDE    INJ
      Inactivation Date:
      Used in IV Fluid Order Entry: YES
      PreMix:

      Print Name: 20% DEXTROSE            Volume: 500 ML
      Print Name {2}:
      Synonyms:
      Generic Drug: DEXTROSE 20% IN WATER 500ML
      Pharmacy Orderable Item: DEXTROSE    INJ,SOLN
      Inactivation Date:
      Used in IV Fluid Order Entry: YES
      PreMix:

      Print Name: METRONIDAZOLE 500MG IN NACL      Volume: 100 ML
      Print Name {2}:
      Synonyms:
      Generic Drug: METRONIDAZOLE 500MG/100ML NACL
      Pharmacy Orderable Item: METRONIDAZOLE/SODIUM CHLORIDE    INJ,SOLN
      Inactivation Date:
      Used in IV Fluid Order Entry: YES
      PreMix: YES

End of Report.
```

### 1.21.11 Enter/Edit Dosages [PSS EDIT DOSAGES]

The *Enter/Edit Dosages* option has previously been described in this manual under the *Dosages* menu.

### 1.21.12 Request Change to Dose Unit [PSS DOSE UNIT REQUEST]

The *Request Change to Dose Unit* option has been described in this manual under the *Dosages* menu.

### 1.21.13 Mark PreMix Solutions [PSS MARK PREMIX SOLUTIONS]

The *Mark PreMix Solutions* option allows a user to quickly mark an IV Solution as a PreMix.

The following data fields can be edited:

- Print Name
- Print Name {2}
- Generic Drug
- Volume
- Inactivation Date
- Used in IV Fluid Order Entry
- PreMix

After successful edit of an entry, the user will be prompted to enter another IV Solution to edit. Press <ENTER>, to exit out of the option.

```
Select Enhanced Order Checks Setup Menu Option: MARK PreMix Solutions

Select IV SOLUTIONS PRINT NAME: HEP
  1  HEPARIN 1,000U/0.9% NS-2U/ML          500 ML
  2  HEPARIN 25,000U/D5W (50U/ML)         500 ML
  3  HEPARIN 25000 UNITS/0.45% NACL        250 ML
CHOOSE 1-3: 3  HEPARIN 25000 UNITS/0.45% NACL        250 ML

PRINT NAME: HEPARIN 25000 UNITS/0.45% NACL  Replace <ENTER>
PRINT NAME {2}: <ENTER>
GENERIC DRUG: HEPARIN 25,000 UNITS IN 0.45% NACL 250ML
// <ENTER>
VOLUME: 250 ML// <ENTER>
INACTIVATION DATE:
USED IN IV FLUID ORDER ENTRY: YES// <ENTER>
PREMIX: YES// <ENTER>

Select IV SOLUTIONS PRINT NAME:
```

#### 1.21.14 IV Solution Report [PSS IV SOLUTION REPORT]

The *IV Solution Report* option has been described in this manual under the IV Additive/Solution Reports menu option.

#### 1.21.15 Administration Schedule File Report [PSS SCHEDULE REPORT]

The *Administration Schedule File Report* option has been described in this manual under the *Standard Schedule Management* sub-menu.

#### 1.21.16 Medication Instruction File Report [PSS MED INSTRUCTION REPORT]

The *Medication Instruction File Report* option has been described in this manual under the *Medication Instruction Management* sub-menu.

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